

# PROJECT REVIEW SHEET - EZ1

## HISTORIC & CULTURAL RESOURCES REVIEW

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<b>Property / Client Name:</b>	Swan Lake Engineering Feasibility Assessment, 11-1297
<b>Worksite Name/Number:</b>	Swan Lake (Worksite 1 of 1)
<b>Funding Agency:</b>	Rec. and Conserv. Office

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<b>Project Applicant</b>	Skagit Fish Enhancement Group
<b>Contact Person</b>	Susan Madsen
<b>Address</b>	PO Box 2497
<b>City, State, Zip</b>	Mount Vernon, WA 98237
<b>Phone</b>	(360) 419-9016
<b>E-Mail</b>	smadsen@skagitfisheries.org

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### Funding Agency:

Organization	Rec. and Conserv. Office
Address	PO Box 40917
City, State, Zip	Olympia, WA 98504-0917
Phone	360-902-3000
Contact	Mike Ramsey, Email: mike.ramsey@rco.wa.gov

### PLEASE DESCRIBE THE TYPE OF WORK TO BE COMPLETED

(Be as detailed as possible to avoid having to provide additional information)

#### Provide a detailed description of the proposed project:

The overall objective of the Swan Lake Restoration Project is to improve the habitat quality and ecological function of Swan Lake. The Swantown Sub-basin is the sixth largest drainage in WRIA 6, covering about 18.0 sq km. It is located on the west side of north Whidbey Island west of Oak Harbor and south of Ault Field. The project is located in a coastal marsh currently not accessible to unimpeded tidal flushing or salmonid access, known as Swan Lake (or also "Swantown Lake", "Swantown Marsh", "Bos lake", "West Beach Lake"). Swantown Creek flows into the coastal wetland therefore the project occurs in a pocket estuary.

A previous SRFB project (#09-1459) funded a preliminary feasibility study that focused on the historic character and function of Swan Lake. That work, completed in the fall of 2010, was considered the first step in the completion of a larger engineering feasibility assessment to identify potential restoration alternatives, and confirmed additional investigation was warranted.

Work to be undertaken in support of completing the engineering feasibility assessment will include more detailed topographic and bathymetric mapping, wave and littoral drift assessment, wetland functional assessment, inlet analysis, reference site analysis, infrastructure analysis, and more development of conceptual plans for several alternatives.

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#### Describe existing project site conditions.

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The current use is passive wetland and open space. Site is in a FEMA floodplain and is valuable for water storage in winter storm events when the water from the Strait of Juan de Fuca washes over West Beach Road and there is heavy runoff from the uplands above. Historically Swan Lake was drained and supported agriculture. Maps constructed in the late 1800's indicate that prior to draining the lake covered an area approximately equal to its current extent and was surrounded by saltmarsh vegetation. The site was abandoned for farm use in the 1970's. In 1999 Island County purchased the property using Conservation Futures Funds. In 2008 Island County replaced a long-standing defunct tidegate flap with a new tidegate flap and downsized the culvert leading from the tidegates to the Strait of Juan de Fuca by slip lining a 24" culvert through the existing 30" culvert. Function of the tidegates is currently impaired.

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**Describe any proposed ground disturbing activities. That is, will a tool(s) be used to move earth (soil, rock, gra**

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**Will buildings be altered or demolished? If so please complete a DAHP Determination of Eligibility EZ2 form for each building affected by the proposed project and attach the form to your project in PRISM. <http://www.dahp.wa.gov/pages/Documents/Sites.htm>**

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If no PRISM map, please attach a copy of the relevant portion of a 7.5 series  
USGS quad map and outline the project impact area.  
(USGS Quad maps are available on-line at <http://www.topozone.com>)

### Worksite Location (identified with star):

Address:

Township: 33N

Range: 01E

Section: 32

City:

County: Island

Latitude: 48.30

Longitude: -122.72

